Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/03/2019 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123398	-2	2.80	123443	2.85
Blue	F	SSC	125000	123673	-2	1.66	124420	1.60
Blue	E	FITC	16433	15955	-3	2.60	347	19.09
Blue	D	PE	27595	27073	-2	1.84	589	14.23
Blue	B	PerCP-Cy5-5	43183	42712	-2	3.58	1151	19.76
Blue	A	PE-Cy7	31943	31612	-2	5.84	603	39.54
Red	C	APC	42819	42484	-1	2.44	1499	12.13
Red	A	APC-Cy7	31261	30299	-4	2.35	802	11.77
Violet	B	V450	6527	6324	-4	4.15	353	13.25
Violet	A	V500	24533	23610	-4	3.92	549	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17421	15.93	610	10	N/A	N/A	Pass
Blue	F	SSC	56201	1.14	552	4	N/A	N/A	Pass
Blue	E	FITC	64	58.61	539	0	0.0215	45	Pass
Blue	D	PE	123	48.23	536	2	0.1783	278	Pass
Blue	B	PerCP-Cy5-5	211	48.03	648	6	0.0096	41	Pass
Blue	A	PE-Cy7	113	97.54	695	6	0.0116	15	Pass
Red	C	APC	356	24.55	581	-2	0.0238	65	Pass
Red	A	APC-Cy7	177	27.68	560	-3	0.0057	634	Pass
Violet	B	V450	54	59.30	450	-5	0.0480	1856	Pass
Violet	A	V500	82	33.54	461	-6	0.0236	806	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.62	-32.22	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.96	13.60 - 20.40	N/A	N/A	30.01	30.24	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12231

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments